|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Species  Number | |  | | --- | | **Scientific Name**  **of Species** | | Common Name  of Species | Number of  Species Captured | Tolerance | Feeding Guild | Category |
| 1 | *Campostomoa pauciradii* | Bluefin stoneroller | 9 | ---------- | HB | ---------- |
| 2 | *Nocomis leptocephalus* | Bluehead Chub | 3 | ---------- | GE | ---------- |
| 3 | *Pimerphales promelas* | Fathead Minnow | 0 | ----------- | ----------- | ----------- |
| 4 | *Notropis lutipinnis* | Yellowfin shiner | 5 | ---------- | IN | ---------- |
| 5 | *Semotilus thoreauianus* | Dixie Chub | 15 | ---------- | GE | ---------- |
| 6 | *Catostomus commersoni* | White sucker | 7 | ---------- | IN | Round Bodied Sucker |
| 7 | *Hypentelium etowanum* | Alabama hogsucker | 18 | ---------- | IN | Round Bodied Sucker |
| 8 | *Ameiurus brunneus* | Snail Bullhead | 0 | ---------- | ---------- | ------------ |
| 9 | *Ameiurus natalis* | Yellow bullhead | 2 | ---------- | GE | ------------ |
| 10 | *Ameiurus nebulosus* | Black bullhead | 2 | intolerant | GE | ---------- |
| 11 | *Fundulus stellifer* | Southern studfish | 2 | ---------- | IN | ---------- |
| 12 | *Lepomis auritus* | Redbreast sunfish | 16 | ---------- | IN | Sunfish |
| 13 | *Lepomis macrochirus* | Bluegill sunfish | 2 | ---------- | IN | Sunfish |
| 14 | *Micropterus salmoides* | Largemouth Bass | 0 | ---------- | ---------- | ---------- |
| 15 | *Percina nigrofasciata* | Blackbanded Darter | 0 | ---------- | ---------- | ---------- |

Table 1: Long Island Creek Fish Species

Summary of fish species collected in Long Island Creek on Jun 21, 2012

HB= Herbivore GE=Omnivore IN=Insectivore ------- = data unavailable

Chart 1: Number of Long Island Creek Fish Species in 2011 and 2012

Chart 2: Number of Species Captured in 2012

Table 2: Index of Biotic Integrity

Summary of IBI of the Long Island Creek stretch sampled on Jun 21, 2012

|  |  |  |  |
| --- | --- | --- | --- |
| IBI Metrics | LI 2011:  Metric Score (1, 3 or 5) | LI 2012:  Raw Score | LI 2012:  Metric Score  (1, 3, or 5) |
| Number of Native Species | 3 | 10 | 3 |
| Number of Benthic Invertivore Species | 1 | 0 | 1 |
| Number of Native Sunfish Species | 3 | 2 | 3 |
| Native Insectivorous Cyprinid Species | 1 | 1 | 1 |
| Head Water Intolerance | 1 | 2 | 3 |
| Round Bodied Sucker Species | 1 | 1 | 1 |
| Species Eveness | 5 | 86.8 | 5 |
| Percent of Fish as Lepomis Species | 5 | 22.2% | 5 |
| Percent of Fish as Insectivorous Cyprinids | 1 | 6.2% | 1 |
| Percent of Fish as Generalists or Herbivores | 3 | 38/3% | 3 |
| Percent of Fish as Benthic Fluvial Specialist | 1 | 30.9% | 3 |
| Percent of Individuals per 200 m of stream | 1 | 216 | 1 |
| DELT Anomalies | 0 | 0 | 0 |
| Overall IBI score (range 8-60) | 26 | ------------- | 30 |
| IBI narrative rank (very poor, poor, fair, good, excellent) | poor | -------------- | poor |